

HEAT PUMP WITHOUT OUTDOOR UNIT SOLO (1 TON)

EC FAN MOTOR



HIGHLIGHTS

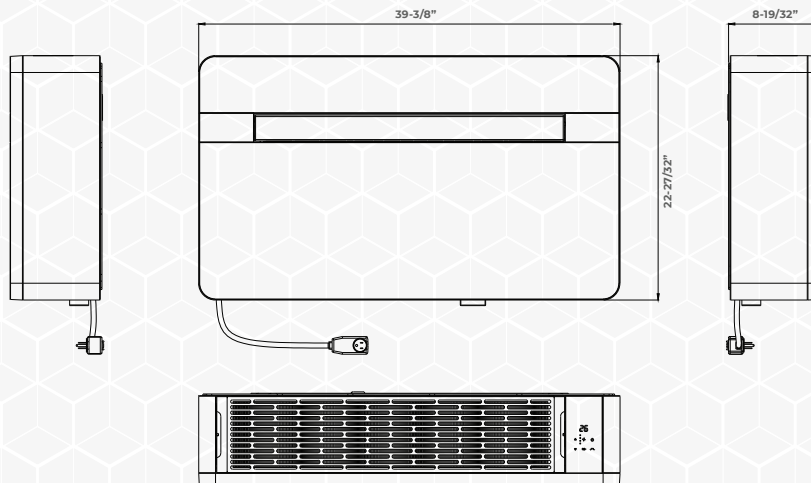
Heat Pump Without Outdoor Unit Providing Compact Power For Ultimate Climate Control

- **Sleek, All-in-One Design:** Revolutionary heat pump system with no outdoor unit, preserving building aesthetics.
- **Energy Efficient & Quiet:** Advanced inverter compressor and variable-speed motor ensure high efficiency and whisper-quiet performance.
- **Effortless Installation & Operation:** Perfect for multi-family homes, offices, and hotels with reliable, low-maintenance heating and cooling.
- **No Outdoor Unit:** This sleek, all-indoor heat pump eliminates the need for an outdoor unit, making installation easier and more versatile.
- **Venting Through Two Wall Ducts:** Efficiently expels and intakes air through just two small wall ducts, reducing structural impact and maintaining the aesthetics of your building.
- **Dual Functionality (Heating & Cooling):** Enjoy year-round comfort with seamless heating and cooling in a single, energy-efficient unit.
- Suitable for both new construction & any type of retrofit requirement

CERTIFICATIONS



DIMENSIONS



YOUR ALL IN ONE CLIMATE SOLUTION

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.



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SPECIFICATIONS

	SOLO (1 TON)
EFFICIENCY	SEER2: 15.5 HSPF2: 8.29
COOLING CAPACITY	Rated: 12,030 Btu/h (Min-Max: 6,440-12,030 Btu/h)
HEATING CAPACITY	Rated: 11,970 Btu/h+3000W(electric heat) (Min-Max: 4,370-11,970 Btu/h)
ELECTRICAL	Voltage: 208V-230V/50-60Hz/single phase Rated Current (cooling/heating): 6.1A/4.8A MCA: 23A MOC: 30A
INPUT POWER	Rated Cooling: 1209W Rated Heating: 947W
SOUND	Indoor: 46 db(A) Outdoor: 50 db(A)
REFRIGERANT	R32/22.9oz
FAN DATA	Indoor Airflow: 215-330 CFM Outdoor Airflow: 320-440 CFM
POWER SUPPLY	Power Cord or Hardwired
COMPRESSOR	Inverter Technology
MODES	Cooling, Heating, Dehumidify, Auto
SIZE (INCHES) WxHxD	39.4x22.8x8.6
NET WEIGHT	117lb
OPERATING RANGE	Cooling: 23°F - 109°F Heating: 5°F - 75°F

DESIGN CONDITION PARAMETERS*		SOLO (1TON)
INDOOR TEMPERATURE	Maximum Operating Temperature in Cooling Mode	DB 80°F/26.7°C WB 19.4°F/67°C
	Minimum Operating Temperature in Cooling Mode	DB 67°F/19.4°C WB 57°F/13.9°C
	Maximum Operating Temperature in Heating Mode	DB 80°F/26.7°C
	Minimum Operating Temperature in Heating Mode	DB 70°F/21.1°C WB 60°F/15.6°C
OUTDOOR TEMPERATURE	Maximum Operating Temperature in Cooling Mode	DB 115°F/46.1°C WB 75°F/23.9°C
	Minimum Operating Temperature in Cooling Mode	DB 67°F/19.4°C WB 57°F/13.9°C
	Maximum Operating Temperature in Heating Mode	DB 75°F/23.9°C WB 65°F/18.3°C
	Minimum Operating Temperature in Heating Mode	DB 17°F/-8.3°C WB 15°F/-9.4°C

*Values are subject to change with model revisions. Always refer to the latest literature.

FEATURES (INCLUDED)



INTEGRATED TOUCH-SCREEN



REMOTE CONTROL

ADD-ON



THERMOSTAT (pending)

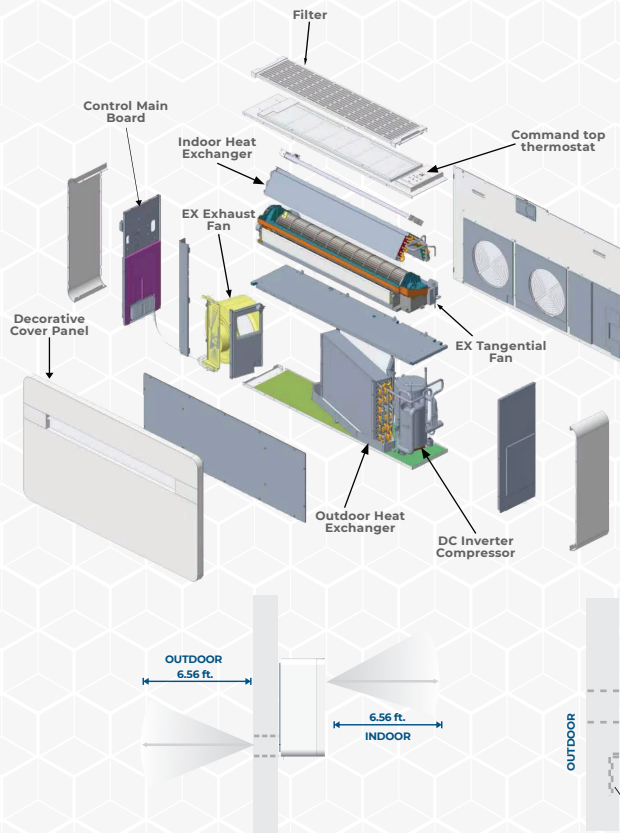
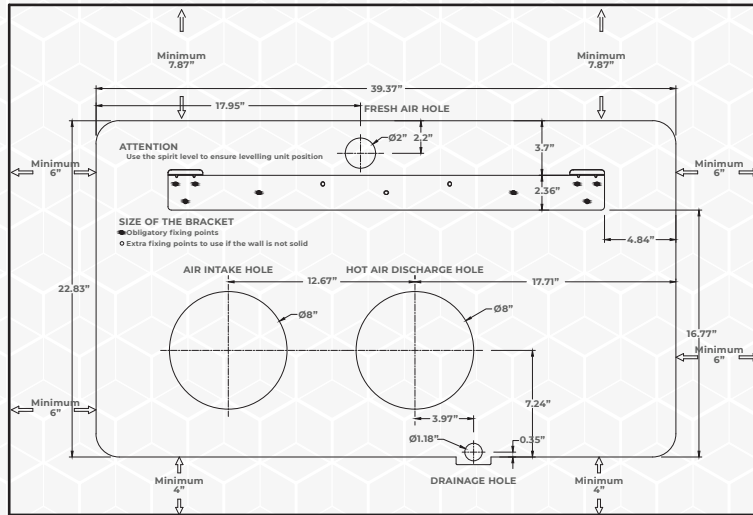


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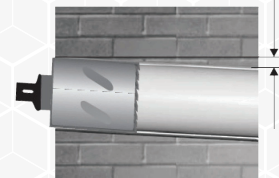


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INSTALLATION RECOMMENDATIONS



It is recommended that the holes must have a slightly downward inclination of 3-5 degrees to prevent any backflow of water from the pipes.



REFERENCE	QUANTITY	REMARKS	PROJECT DETAILS
			Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted By:
			Date:

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